



**VIBRO/DYNAMICS®**

technologically advanced machinery mounting systems

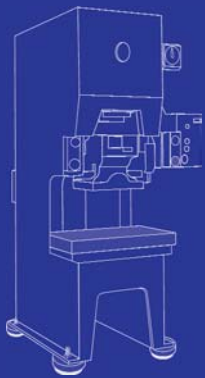
# Machine Mounts for Precision Industrial Machinery

**MICRO/LEVEL® ISOLATORS**  
Series 2, 6 and 8



***Your best way to install and level machines  
for effective control of vibration and noise***

## TYPICAL APPLICATIONS



### Metalworking Presses

Mechanical and Hydraulic  
Turret Punch  
Gap Frame  
Brakes  
Shears

### Precision Machine Tools

Broaching Machines  
Cold Headers  
Drills  
Gear Hobbers  
Jig Grinders  
Lathes  
Machining Centers  
Milling Machines  
Precision Grinders  
Saws  
Transfer Lines  
Upsetters  
Wire EDM

### Die Casting & Plastic Molding

Die Cast Machines  
Injection & Blow Molders

### Metal Container

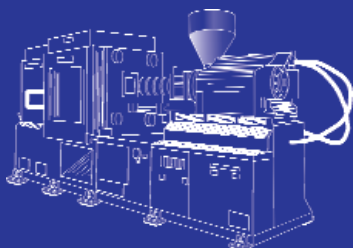
Bodymakers and Wall-Ironers  
Necker Flangers  
Decorators and Fillers

### Measuring Equipment

Coordinate Measuring Machines  
Optical Comparators  
Surface Plates

### Others

Pumps  
Textile Machinery  
Turbine Generators  
Transformers  
Woodworking Equipment



## Faster, Easier Installation

Micro/Level Isolators eliminate the need for anchor bolts, shims, and grout. In most cases, no special foundations are required, getting you into production faster with minimum installation costs.

## Vibration Control

Actual field tests showed that transmitted vibration can be reduced up to 98% with Micro/Level Isolators, improving machine performance, product quality, and protecting sensitive equipment and neighbors.

## Precision Leveling and Alignment

The Micro/Level Isolator design makes precision leveling adjustments fast and easy. The isolator's leveling screw provides far greater leveling accuracy than shims or grout. Machinery relocations are just as fast, and if your floor or foundation should settle, releveling adjustments can be made with a simple turn of the wrench.

## Proper Machine Support - Fine/Tuning

Precision leveling is critical to proper machine support. A machine can be level, yet not properly supported. Fine/Tuning is a process of making small, precise adjustments using the isolator's leveling screw to provide precise machine support. Fine/Tuning eliminates machine bed twist caused by improper support. Benefits include improved part quality, repeatability, and increased machine and tooling life.

## Noise Reduction

A reduction in vibration results in a decrease in structural-borne noise. Noise reductions as high as 6.5 dB have been achieved using Micro/Level Isolators. Improved working conditions and reduced neighbor complaints are obvious benefits.

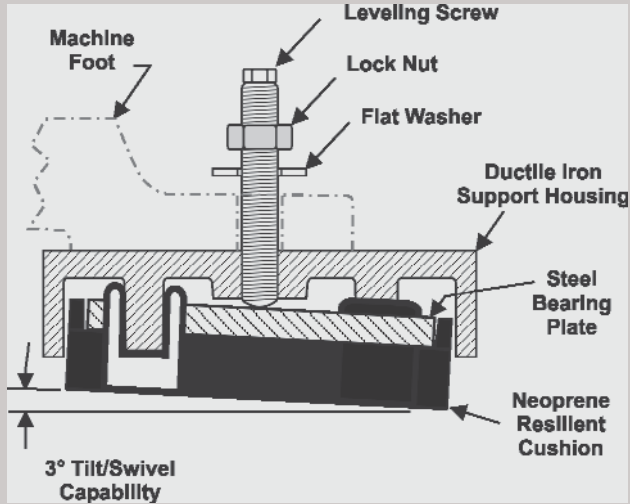
## Meets OSHA Anchoring Requirements

The custom-engineered elastomers in Micro/Level Isolators offer an excellent coefficient of friction to eliminate machine walking to meet the OSHA anchoring requirements.



# Economical Installations.

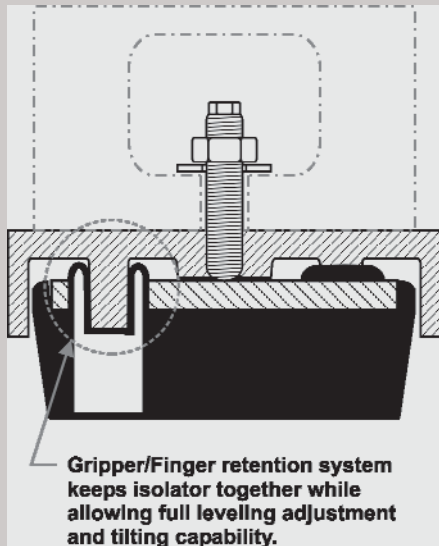
## “L” & “K” Types



**Series 2L, 6L and 8L** isolators are ideal for machine tool and punch press applications. **Series 6K and 8K** isolators are the best choice for machines generating high inertia force like high-speed presses, die cast machines, cold headers and plastic injection molders.

*(Use Isolator Selection Table 1 for these isolators).*

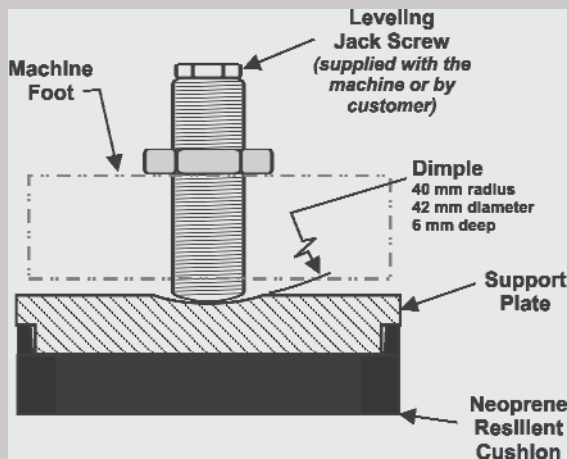
## “M” Type



**Series 6M and 8M** are very soft isolators with thick elastomers designed to protect precision equipment in high vibration environments. These isolators are designed for Non-Impact machines generating very low inertia. Ideal for coordinate measuring machines, surface plates, jig grinders and EDMs.

*(Use Isolator Selection Table 2 for these isolators).*

## “i” Type

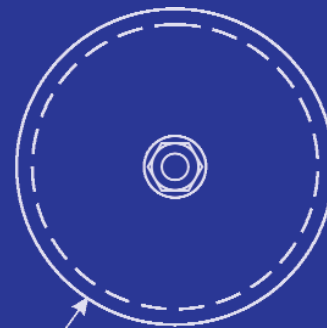


**Series 6iK, 6iL, 6iM, 8iK, 8iL and 8iM** have all of the above isolator characteristics, but are designed specifically for machines with leveling jack screws in their base. These isolators simply slide under the jack screws, replacing the existing leveling pads.

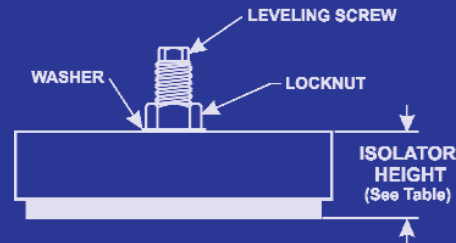
*(Use Isolator Selection Table 1 or 2 depending on L, K or M Type).*

# MICRO/LEVEL® ISOLATORS

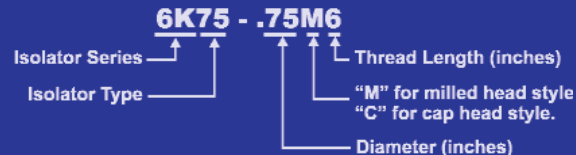
ISOLATOR SPECIFICATIONS						
Isolator Model	Leveling Screw Diameter & Pitch	Maximum Load (lbs.)		Isolator Dimensions (inches)		
		Presses	Machine Tools	Diameter	Minimum Height	Leveling Adjustment
2L4	0.25-20 UNC	25	25	2.5	1	0.25
2L10		50	50			
2L20		100	100			
6L17	0.375-16 UNC	850	1250	5.63	1.75	0.5
	0.5-13 UNC					
	0.625-11 UNC					
6L40	0.375-16 UNC	850	1275	5.63	1.75	0.5
	0.5-13 UNC	2200	2300			
	0.625-11 UNC	2300	2300			
6K75	0.375-16 UNC	850	1275	5.63	1.88	0.5
	0.5-13 UNC	2200	3300			
	0.625-11 UNC	3500	3800			
6iL	Leveling Screws are not supplied.			5.0	1.5	
6iK	40mm radius - 6 mm deep dimple provided.					
8L150	0.625-11 UNC	3500	5250	8.13	2.5	0.75
	0.75-10 UNC	5300	7200			
	1-14 UNS	7200	7200			
8L220	0.625-11 UNC	3500	5250	8.13	2.5	0.75
	0.75-10 UNC	5300	7950			
	1-14 UNS	9300	9300			
8K80	0.625-11 UNC	3500	5250	8.13	2.5	0.75
	0.75-10 UNC	5300	7950			
	1-14 UNS	11,000	11,000			
8iL	Leveling Screws are not supplied.			7.5	2.0	
8iK	40 mm radius - 6 mm deep dimple provided.					
6M7	0.375-16 UNC	1000	5.63	2.5	0.5	
	0.5-13 UNC					
	0.625-11 UNC					
6M10	0.375-16 UNC	1200	5.63	2.5	0.5	
	0.5-13 UNC					
	0.625-11 UNC					
6M15	0.375-16 UNC	1275	5.63	2.5	0.5	
	0.5-13 UNC					
	0.625-11 UNC					
6M22	0.375-16 UNC	1275	5.63	2.5	0.5	
	0.5-13 UNC					
	0.625-11 UNC					
6iM	Leveling Screws are not supplied. 40 mm radius - 6 mm deep dimple provided.			5.0	2.18	
8M32	0.625-11 UNC	3800	8.13	3.13	0.75	
	0.75-10 UNC					
	1-14 UNS					
8M55	0.625-11 UNC	4900	8.13	3.13	0.75	
	0.75-10 UNC					
	1-14 UNS					
8M85	0.625-11 UNC	5250	8.13	3.13	0.75	
	0.75-10 UNC	6300				
	1-14 UNS	6300				
8iM	Leveling Screws are not supplied. 40 mm radius - 6 mm deep dimple provided.			7.5	2.37	



DIAMETER  
(See Table)



## ISOLATOR MODEL NUMBER KEY



## LEVELING SCREW SELECTION TABLE

Leveling Screw Model	Foot Thickness Up To: (inch)		
	Isolator Series		
	2	6	8
.25C1	0.38		
.375C4		2.4	
.375C6		4.4	
.5M3		1.3	
.5M5		3.3	
.5M8		6.3	
.625M4		2.2	1.5
.625M5		3.2	2.5
.625M6		4.2	3.5
.625M8		6.2	6.5
.75M4			1.5
.75M6			3.5
.75M8			5.5
1M4			1.4
1M5			2.4
1M6			3.4
1M8			5.4

Note: The machine mounting hole is used as a clearance hole for the isolator leveling screw.

See Isolator Selection and Application Guide for detailed information on selecting the best isolators for your machine.

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